



US Army Corps
of Engineers



Great Lakes
Navigation System

Detroit District Critical Needs

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US Army Corps
of Engineers

Critical Needs



Great Lakes
Navigation System

HARBOR	TONNAGE (2005)	RANK (2005)
Duluth-Superior Harbor, Minnesota	44.7M	16
Green Bay, Wisconsin	2.7M	104
Milwaukee, Wisconsin	3.8M	92
Monroe, Michigan	1.6M	130
Saginaw River, Michigan	5.6M	74
St Marys River, Michigan	80M	*

Duluth-Superior Harbor

St Marys River

Green Bay

Saginaw River

Milwaukee

Monroe





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Duluth-Superior Harbor



Great Lakes
Navigation System

- Maintenance Dredging
- Backlog Maintenance Dredging
- Breakwater Repairs at Superior Entry





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U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
Duluth-Superior Harbor, Minnesota & Wisconsin
Project Needs and President's Budget



Great Lakes
Navigation System

Work Package	FY07 Need	FY07 Work Plan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Project Condition Surveys	477	477	475	475	500	
Maintenance of Erie Pier CDF	125	125	250	0	130	
Maintenance Dredging – Primary Work Package	2,883	2,614	2,500	2,074	2,560	
Maintenance Dredging – Backlog Work Package					1,000	
Breakwater Repairs – by Govt. Floating Plant	1,705	1,405	900	700	1,450	
Other Business Lines						
Recreation: Visitor's Center			525	525	525	
Environmental Stewardship			20	20	20	
TOTALS	5,190	4,621	4,670	3,794	6,185	

* FY09 President's Budget will not be available until February 2008



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Green Bay Harbor



Great Lakes
Navigation System

- Maintenance Dredging
- Backlog Maintenance Dredging
- Renard Island Closure
- CAT Island (DMMP)





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U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008
Green Bay Harbor, Wisconsin Project Needs and President's Budget



Great Lakes
Navigation System

Work Package	FY07 Need	FY07 WorkPlan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Project Condition Surveys	395	395	305	305	320	
Maintenance Dredging – Primary Work Package	2,507	2,201	4,000	2,540	3,074	
Maintenance Dredging – Backlog Work Package					2,280	
CDFs – Renard Island Closure	480	0	700	0	950	
Studies: Cat Island Section 204 (DMMP)	225	0	350	125	175	
TOTALS	3,607	2,596	5,355	2,970	6,799	

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Milwaukee Harbor



Great Lakes
Navigation System

- Increasing CDF Capacity
- Repair North Detached Breakwater





US Army Corps
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U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008 Milwaukee Harbor, Wisconsin Project Needs and President's Budget



Great Lakes
Navigation System

Work Package	FY07 Need	FY07 WorkPlan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Project Condition Surveys	176	176	179	179	188	
Maintenance Dredging – Primary Work Package	770	981	840	840	0	
Maintenance Dredging – Backlog Work Package						
CDF Expansion	216	0	3,000	0	3,425	
Repair North Breakwater – by Govt. Floating Plant	490	0	500	500	0	
Repair North Detached Breakwater - by Contract					2,000	
Repair Stub Pier Stone – by Govt. Floating Plant					650	
Design of Breakwater Repairs	0	0	350	0	350	
TOTALS	1,652	1,157	4,869	1,519	6,613	

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Monroe Harbor



Great Lakes
Navigation System

- Maintenance Dredging
- Backlog Maintenance Dredging





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U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008 Monroe Harbor, Michigan Project Needs and President's Budget



Great Lakes
Navigation System

Work Package	FY07 Need	FY07 WorkPlan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Project Condition Surveys	75	0	92	0	92	
Maintenance Dredging – Primary Work Package	425	0	926	0	926	
Maintenance Dredging – Backlog Work Package					400	
TOTALS	500	0	1,018	0	1,418	

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Saginaw River



Great Lakes
Navigation System

- Maintenance Dredging
- Backlog Maintenance Dredging





US Army Corps
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U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008 Saginaw River, Michigan Project Needs and President's Budget



Great Lakes
Navigation System

Work Package	FY07 Need	FY07 WorkPlan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Project Condition Surveys	324	324	294	294	309	
Maintenance Dredging – Primary Work Package	3,318	3,318	3,605	1,854	3,700	
Maintenance Dredging – Backlog Work Package					2,300	
CDF Repairs	0	0	0	0	125	
Operations: Legal Defense	150	70	150	0	150	
TOTALS	3,792	3,712	4,049	2,148	6,584	

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US Army Corps
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St Marys River



Great Lakes
Navigation System

- Strike Removal
- Lock Operations
- Facility Recapitalization





US Army Corps
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U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008 St Marys River, Michigan Project Needs and President's Budget



Great Lakes
Navigation System

Work Package	FY07 Need	FY07 Work Plan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Lock Operations	5,377	5,377	4,844	4,844	5,135	
Lock Maintenance	6,572	6,432	5,919	5,919	6,900	
Project Condition Surveys	2,242	2,242	2,078	2,078	2,200	
Strike Removal	2,320	2,320	2,390	2,390	2,533	
Develop Economic Models	0	0	100	0	100	

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US Army Corps
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U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008 St Marys River, Michigan Project Needs and President's Budget



Great Lakes
Navigation System

Work Package	FY07 Need	FY07 Work Plan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Soo Locks Recapitalization						
Misc. Poe Lock repairs/upgrades	1,074	1,074	0	0	1,127	
Replace Poe Lock hydraulics	0	0	2,000	2,000	2,000	
Initiate Fabrication of New Poe gates	0	0	2,975	0	0	
Stop Logs	1,682	0	3,452	2,975	3,659	
Rock Cut Repair Design	0	0	300	300	0	
Rock Cut Repairs						
Extend Poe West Nose Pier Design			100	0	75	
Extend Poe West Nose Pier					3,000	

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U.S. Army Corps of Engineers Fiscal Year (FY) 2007 and 2008 St Marys River, Michigan Project Needs and President's Budget



Great Lakes
Navigation System

Work Package	FY07 Need	FY07 Work Plan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Other Business Lines						
Recreation: Visitors Center	506	506	680	336	721	
Hydropower	1,829	1,024	3,212	1,057	3,405	
Environmental Stewardship	200	152	100	100	125	
TOTALS	21,802	19,127	28,150	21,999	31,780	

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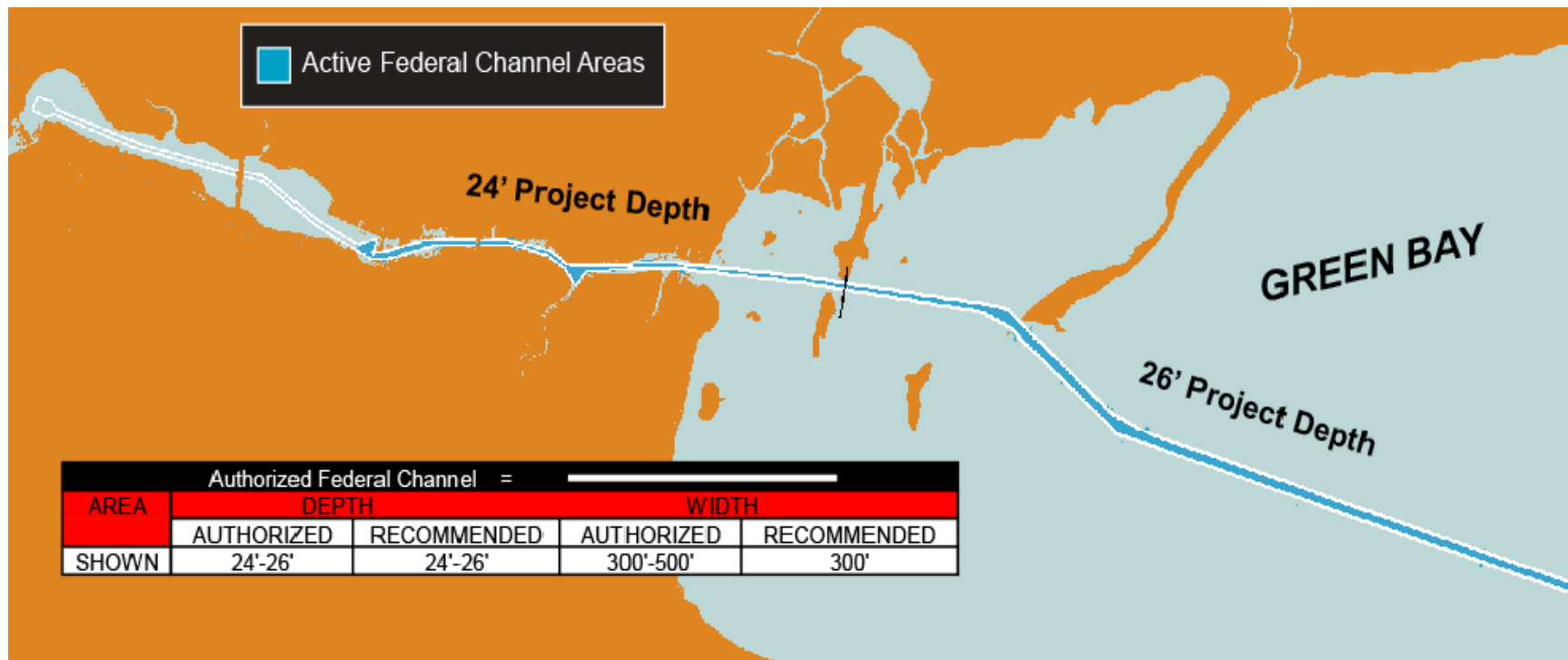


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Green Bay Harbor, Wisconsin Full Functional



Great Lakes
Navigation System





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Channels in Lake St Clair, Michigan Full Functional



Great Lakes
Navigation System

